	1 1:4-		100	T 7:
L Number	Hits 11840	Searcl. Axt  ("S/H" or sample\$1 near hold\$3 or ADC or AD or "A/D" or A	DB USPAT;	Time stamp 2004/05/22 12:09
,		adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1. (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 12:09
,		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
		same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)		
2	549509	("382" or "348" or "358" or "345" or "386" or "359" or "356" or "250" or "396" or "375").clas.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/22 12:46
3	3484	(("S/H" or sample\$1 near hold\$3 or ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/22 12:13
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
	·	same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3) ) and (("382" or "348" or "358" or "345" or "386" or "359" or "356" or "250" or "396" or "375").clas.)		

4	10613	(ADC CAD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5	USPAT;	2004/05/22 12:14
•	,,,,,,	digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or	US-PGPUB:	
		quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or	EPO; JPO;	
		transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5	DERWENT;	
•		or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD	IBM TDB	
		or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	_	
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
		same ((optical\$4 or photo or light\$3 or imag\$4 or		
		photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1		
		or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or	,	
	!	read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or		
		phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD		
		or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or		
		phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3)		
		or phototransistor\$3)		
	3091	(("382" or "348" or "358" or "345" or "386" or "359" or "356" or	USPAT;	2004/05/22 12:16
		"250" or "396" or "375").clas.) and ((ADC or AD or "A/D" or A	US-PGPUB;	
		adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or	EPO; JPO;	
		analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or	DERWENT; IBM_TDB	
		digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or	I IDIVI_I DB	
		pickup\$1 or pick adj1 up or CCD or charge adj1 coupled)		
		near (quantiz\$5 or quantis\$5))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
		same ((optical\$4 or photo or light\$3 or imag\$4 or		
		photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1		
		or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or		
		read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or		
		phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD		
		or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or		
		photoread\$4 or photodetect\$4 or photodiode\$4 or		
		phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)		
	1	or phototransistory)	I	l

	0040	1/400 D. HA/DII. A. 1/4 D. 1/1/1/05 J. 1/1/1/05	LIODAT	1 000 4/05/00 40 07
6	2348	((ADC s. AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/22 12:27
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
7	1212	same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3) ) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4) (("382" or "348" or "358" or "345" or "386" or "359" or "356" or "250" or "396" or "375").clas.) and (((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5 or digital\$7 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/22 12:22
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
		same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3) ) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or		•
		CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4))		

8	11	(((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/05/22 12:27
Ĭ		or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	IBM_TDB	
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
		same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD		
		or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)		
		) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4)) same (force\$5 or abilit\$4 or mighty or mightiness\$3 or strong\$4 or strength\$4 or power\$4 or horsepower\$4 or capab\$8 or able\$1 or resourc\$4 or usage or bandwidth or load\$1 or utiliz\$5 or workload\$1 or		
		wherewithal or resolution\$1 or speed\$1 or heat\$3 or power\$4 or energy\$1 or energi\$5 or current or voltag\$4 or batter\$4 or bit\$1 near (number\$1 or resolution\$4 or depth\$1 or range\$1 or count\$1))		
		near3 (conserv\$5 or spare or sparing\$3 or preserv\$5 or waste\$1 or wasting or econom\$7 or scarc\$4 or frugal\$4 or consum\$3 or expend\$3 or lose\$1 or losing\$2 or maintain\$3 or exhaust\$4 or efficien\$4 or effectiv\$4)		

9	5	(("382 "348" or "358" or "345" or "386" or "359" or "350" or "250" or "396" or "375").clas.) and ((((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/22 12:24
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
		same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3) ) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4)) same (force\$5 or abilit\$4 or mighty or mightiness\$3 or strong\$4 or strength\$4 or		·
		power\$4 or horsepower\$4 or capab\$8 or able\$1 or resourc\$4 or usage or bandwidth or load\$1 or utiliz\$5 or workload\$1 or wherewithal or resolution\$1 or speed\$1 or heat\$3 or power\$4 or energy\$1 or energi\$5 or current or voltag\$4 or batter\$4 or bit\$1 near (number\$1 or resolution\$4 or depth\$1 or range\$1 or count\$1))		·
		near3 (conserv\$5 or spare or sparing\$3 or preserv\$5 or waste\$1 or wasting or econom\$7 or scarc\$4 or frugal\$4 or consum\$3 or expend\$3 or lose\$1 or losing\$2 or maintain\$3 or exhaust\$4 or efficien\$4 or effectiv\$4)		
10	2574	(("S/H" or sample\$1 near hold\$3 or ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/22 12:27
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
		same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)		
		) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4)		

11	12	((("S/H-or sample\$1 near hold\$3 or ADC or AD or "A/D A	USPAT;	2004/05/22 12:27
ye • ==		adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or ricks \$4 or ricks \$4 or camera\$1.	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
		pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))  near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
		same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD		
		or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)		
		) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4)) same (force\$5 or abilit\$4 or mighty or mightiness\$3 or strong\$4 or strength\$4 or		
		power\$4 or horsepower\$4 or capab\$8 or able\$1 or resourc\$4 or usage or bandwidth or load\$1 or utiliz\$5 or workload\$1 or wherewithal or resolution\$1 or speed\$1 or heat\$3 or power\$4 or energy\$1 or energi\$5 or current or voltag\$4 or batter\$4 or bit\$1 near (number\$1 or resolution\$4 or depth\$1 or range\$1 or count\$1))		
		near3 (conserv\$5 or spare or sparing\$3 or preserv\$5 or waste\$1 or wasting or econom\$7 or scarc\$4 or frugal\$4 or consum\$3 or expend\$3 or lose\$1 or losing\$2 or maintain\$3 or exhaust\$4 or efficien\$4 or effectiv\$4)		

12	5	(("382" or "348" or "358" or "345" or "386" or "359" or "3	USPAT;	2004/05/22 12:27
		"250" or "396" or "375").clas.) and (((("S/H" or sample\$1 near	US-PGPUB;	
		hold\$3 or ADC or AD or "A/D" or A adj1 D or digitiz\$5 or	EPO; JPO;	
· · · · · ·		digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or	DERWENT;	,• • ·
		convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or	I IDIVI_I DB	
		digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or		
		pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5		
		or quantis\$5))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
		,		
		same ((optical\$4 or photo or light\$3 or imag\$4 or		
		photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or		
		read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or		
		phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD		
		or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or		
		photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3)		
		or phototransistor\$3)		
		) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or		
		CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or		
		aperture\$1 or white adj1 balanc\$4)) same (force\$5 or abilit\$4 or mighty or mightiness\$3 or strong\$4 or strength\$4 or		
		power\$4 or horsepower\$4 or capab\$8 or able\$1 or resourc\$4		
		or usage or bandwidth or load\$1 or utiliz\$5 or workload\$1 or		
•		wherewithal or resolution\$1 or speed\$1 or heat\$3 or power\$4		
		or energy\$1 or energi\$5 or current or voltag\$4 or batter\$4 or bit\$1 near (number\$1 or resolution\$4 or depth\$1 or range\$1		
		or count\$1))		
		near3 (conserv\$5 or spare or sparing\$3 or preserv\$5 or		
		waste\$1 or wasting or econom\$7 or scarc\$4 or frugal\$4 or		
		consum\$3 or expend\$3 or lose\$1 or losing\$2 or maintain\$3 or exhaust\$4 or efficien\$4 or effectiv\$4)		,
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r "348" or "358" or "345" or "386" or "359" or USPAT: 13 2004/05/22 12:28 or "250" or "396" or "375").clas.) and (((("S/H" or sample\$1 **US-PGPUB**: near hold\$3 or ADC or AD or "A/D" or A adj1 D or digitiz\$5 or EPO; JPO; digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near DERWENT; (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or IBM TDB convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5)) near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4) same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3) ) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4)) same (force\$5 or abilit\$4 or mighty or mightiness\$3 or strong\$4 or strength\$4 or power\$4 or horsepower\$4 or capab\$8 or able\$1 or resourc\$4 or usage or bandwidth or load\$1 or utiliz\$5 or workload\$1 or wherewithal or resolution\$1 or speed\$1 or heat\$3 or power\$4 or energy\$1 or energi\$5 or current or voltag\$4 or batter\$4 or bit\$1 near (number\$1 or resolution\$4 or depth\$1 or range\$1 or count\$1)) near3 (conserv\$5 or spare or sparing\$3 or preserv\$5 or waste\$1 or wasting or econom\$7 or scarc\$4 or frugal\$4 or consum\$3 or expend\$3 or lose\$1 or losing\$2 or maintain\$3 or exhaust\$4 or efficien\$4 or effectiv\$4) )) not ((("382" or "348" or "358" or "345" or "386" or "359" or "356" or "250" or "396" or "375").clas.) and ((((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5)) near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4} same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3) ) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4)) same (force\$5 or abilit\$4 5/22/04 3000 ggh paper reightiness\$3 or strong\$4 or strength\$4 or Search History power\$4 or horsepower\$4 or capab\$8 or able\$1 or resourc\$4 C:\APPS\EAST\Workspaces\X wspaces\X withal or resolution\$1 or utiliz\$5 or workload\$1 or c:\APPS\EAST\Workspaces\X wspaces\X ws

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near3 (conserv\$5 or spare or sparing\$3 or preserv\$5 or waste\$1 or wasting or econom\$7 or scarc\$4 or frugal\$4 or consum\$3 or expend\$3 or lose\$1 or losing\$2 or maintain\$3	16	435	or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4) ) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1 tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal) adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or VGA\$3 or SVGA\$3 or XGA\$3 or VDU or GUI) ((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digitaliz\$5 or digitiz\$5 or digitis\$5 or digitaliz\$5 or digitis\$5 or digitis\$5 or or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))  near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4) ) same (force\$5 or abilit\$4 or mighty or mightiness\$3 or strong\$4 or strength\$4 or power\$4 or horsepower\$4 or capab\$8 or able\$1 or resourc\$4 or usage or bandwidth or load\$1 or utiliz\$5 or workload\$1 or wherewithal or resolution\$1 or speed\$1 or heat\$3 or power\$4 or energy\$1 or energi\$5 or current or voltag\$4 or batter\$4 or bit\$1 near (number\$1 or resolution\$4 or depth\$1 or range\$1 or count\$1))  near3 (conserv\$5 or spare or sparing\$3 or preserv\$5 or waste\$1 or wasting or econom\$7 or scarc\$4 or frugal\$4 or	US-PGPUB; EPO; JPO; DERWENT;	2004/05/22 14:01

18		75	(("382" or "348" or "358" or "345" or "386" or "359" or "350 or "250" or "396" or "375").clas.) and (((ADC or AD or "A/D" or A	USPAT; US-PGPUB;	2004/05/22 12:33
			adj1 D or digitiz\$5 or digitis\$5 or digitaliz\$5 or	EPO; JPO;	
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19		576246	/ ("341" or "382" or "348" or "358" or "345" or "386" or "359" or	USPAT;	2004/05/22 12:46
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20		131	(((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or	USPAT; US-PGPUB;	2004/05/22 12:46
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			transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5	DERWENT;	
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			or charge adj1 coupled) near (quantiz\$5 or quantis\$5))		
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			) and (("341" or "382" or "348" or "358" or "345" or "386" or		
	-		"359" or "356" or "250" or "396" or "375").clas.)		

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		"359" or "356" or "250" or "396" or "375").clas.)) not ((("382"		
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		pickup\$1 or pick adj1 up or CCD or charge adj1 coupled)		
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22	2348	((("S/Hear sample\$1 near hold\$3 or ADC or AD or "A/Dear A adj1 D or digitiz\$5 or digitis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7.or	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/05/22 14:04
		digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	IBM_TDB	
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		same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD		
		or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)		
		) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4)) same ((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or		
		analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))		
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23	2348	(((("S/Noor sample\$1 near hold\$3 or ADC or AD or "A/Dor" A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1	USPAT; US-PGPUB; EPO; JPO;	2004/05/22 14:02
ļ		(convert\$3 or convers\$4 or transform\$5 or digital\$7 or	DERWENT:	
	1 '	digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or	IBM_TDB	
		pickup\$1 or pick adj1 up or CCD or charge adj1 coupled)	15W_155	
		near (quantiz\$5 or quantis\$5))		
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		same ((optical\$4 or photo or light\$3 or imag\$4 or		
		photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or		
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		digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or		
		camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1		
		coupled) near (quantiz\$5 or quantis\$5))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4	•	
		or designat\$4)		
		)) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or		
		photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or		
		pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1		
		tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or		
		pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or		
		gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4		
		or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4		
		or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or		
		view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal)		
		adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or		
		VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or		
	l	WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)		l

24	3387	(((ADO) AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$6 or	USPAT;	2004/05/22 14:05
	5557	digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or	US-PGPUB;	2007/03/22 14.03
ŀ		quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or	EPO; JPO;	
		transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5	DERWENT:	
, ,		or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD	IBM TDB	* auchier, service, i april u
		or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	I I I I I I I I I I I I I I I I I I I	
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
ļ		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
		) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or		
1		photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or		
		pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1	İ	
		tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or		
-		pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or		
		gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4		
}		or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4		
		or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or		
ì		view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal)		
1		adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or		
		VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or	1	
		WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same		
		(resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or		
		fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5		
		or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or		
		qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4		
		or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4		
		or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or		
ļ		HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or		
		reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE		
		or RMS\$1 or root adj1 mean or square\$1 adj1 error or		
		toleranc\$4)		

25	1615	(("341 "382" or "348" or "358" or "345" or "386" or "3	USPAT;	2004/05/22 14:04
		"356" or "250" or "396" or "375").clas.) and ((((ADC or AD or	US-PGPUB;	
		"A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or	EPO; JPO;	
		digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or	DERWENT;	<b></b> .
		analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or	IBM_TDB	İ
		digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or		
		camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1		
		coupled) near (quantiz\$5 or quantis\$5))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4		
		or designat\$4)		
		) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or		
		photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or		
		pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1		
		tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or		
		pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or		
		gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4		
	İ	or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4		
		or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or		
		view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal)		
		adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or		
		VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or		
		WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same		
		(resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or		
		fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5 or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or		
		qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4		
		or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4		
		or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or		
		HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or		
		reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE		
		or RMS\$1 or root adj1 mean or square\$1 adj1 error or		
		toleranc\$4))		

26	484	348.clav. and ((((ADC or AD or "A/D" or A adj1 D or digitizes5 or digitis\$5 or digitalis\$5 or digitalis\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or	USPAT; US-PGPUB; EPO; JPO;	2004/05/22 14:06
		convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or	DERWENT;	
		digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or	IBM TDB	
		pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5		
		or quantis\$5))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
	:	or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
		) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or		
		photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or		
		pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1	}	
		tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or		
		pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or		
		gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4		
		or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4		
		or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or		
	į	view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal)		
		adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or		
	ŀ	VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or		
		WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same		
		(resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or		
		fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5		
		or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or		
		qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4		
		or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4		
		or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or		
		HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or		
	-	reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE		
		or RMS\$1 or root adj1 mean or square\$1 adj1 error or		
		toleranc\$4))		

27	1272	((((ADoor AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or	USPAT;	2004/05/22 14:06
21	12/2	digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or	US-PGPUB:	200 1/00/22 11:00
		quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or	EPO; JPO;	
		transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5	DERWENT	
		or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD	IBM TDB	
		or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	10.0100	
		di charge auf redupled) hear (quantizuo or quantisuo))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4		
		or designat\$4)		
		) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or		
		photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or		
		pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1		
		tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or		
		pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or		
	1	gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4		
		or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4		
		or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or		
		view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal)		•
		adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or		
		VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or		
		WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same		
		(resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or		
		fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5		
		or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or		
		qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excellen\$4		
		or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4		
		or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or		
		HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE		
		or RMS\$1 or root adj1 mean or square\$1 adj1 error or		
		toleranc\$4)) same ((optical\$4 or photo or light\$3 or imag\$4		
		or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2		
		(ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4		
		or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or		
		phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD		
		or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or		
		photoread\$4 or photodetect\$4 or photodiode\$4 or		,
		phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3)		
		or phototransistor\$3)		
	1	or priototransistory)	1	L

28	611	(("341" "382" or "348" or "358" or "345" or "386" or "3	USPAT;	2004/05/22 14:09
		"356" or "250" or "396" or "375").clas.) and (((((ADC or AD or	US-PGPUB;	
		"A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or	EPO; JPO;	
		digitaliz\$5 or analog\$2 near (quantiz\$5.or.quantis\$5).or	DERWENT;	
		analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or	IBM_TDB	
		digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or		
		camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1		
		coupled) near (quantiz\$5 or quantis\$5))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4		
		or designat\$4)		
		) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or		
		photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or		
		pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1		
		tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or		
		pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or		
		gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4		
		or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4		
		or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or		
		view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal)		
		adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or		
		VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or		}
		WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same		
		(resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or		
		fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5		
		or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or		
		qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4		
		or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4		
		or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or		
		HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or		
		reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE		
		or RMS\$1 or root adj1 mean or square\$1 adj1 error or		
		toleranc\$4)) same ((optical\$4 or photo or light\$3 or imag\$4		
		or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2		
		(ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4		
		or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or		
•		phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD		
-		or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or		
		photoread\$4 or photodetect\$4 or photodiode\$4 or		
		phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3)		
į .		or phototransistor\$3))		

	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
29	2826	((((ADC) AD or "A/D" or A adj1 D or digitiz\$5 or digitis or	USPAT;	2004/05/22 14:10
		digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or	US-PGPUB;	
		quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or	EPO; JPO;	
	2	transform\$5 or digital\$7 or digitiz\$5 or.digitis\$5) or.(sampl\$5,	DERWENT;	
		or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD	IBM_TDB	
		or charge adj1 coupled) near (quantiz\$5 or quantis\$5))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
	}	or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4		
	Ì	or designat\$4)	ļ	
		) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or		
		photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or		
		pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1		
		tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or		
		pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or		
		gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4		
		or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4		
		or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or		
		view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal)		
		adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or		
		VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or	İ	
		WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same		
		(resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or		
		fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5		
		or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or		
		qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4		
		or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4		
		or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or		
		HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or		
	1	reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE		
		or RMS\$1 or root adj1 mean or square\$1 adj1 error or		
		toleranc\$4)) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or		
		graph\$5 or photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or		
		frame\$1 or pictur\$3 or pictograph\$4 or pictorial\$4 or		
		continuous adj1 tone\$1 or contone\$1 or bitmap\$3 or bit adj1		
		map\$3 or pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or		
	1	raster\$7 or gray\$3 or grey\$3 or camera\$1 or shutter\$4 or		
		diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or		t.
	-	photograph\$4 or lens\$3 or aperture\$1 or white adj1		
	1	balanc\$4)		

30	1479	(("341 -,"382" or "348" or "358" or "345" or "386" or "356 or	USPAT;	2004/05/22 14:09
		"356" or "250" or "396" or "375").clas.) and (((((ADC or AD or	US-PGPUB;	
		"A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or	EPO; JPO;	
		digitaliz\$5.or analog\$2 near (quantiz\$5 or quantis\$5).or	DERWENT;	
		analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or	IBM_TDB	
		digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or		
		camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1		
		coupled) near (quantiz\$5 or quantis\$5))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
	1	or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4		
		or designat\$4)		
	İ	) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or		
		photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or		
		pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1		
		tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or		
		pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or		
		gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4		
		or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4		
		or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or		
		view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal)		
		adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or		
		VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or		
		WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same		
		(resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or		
	1	fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5		
		or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or		
		qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4		
		or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4		
		or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or		
		HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or		
		reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE		
		or RMS\$1 or root adj1 mean or square\$1 adj1 error or		
		toleranc\$4)) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or		
		graph\$5 or photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or		
		frame\$1 or pictur\$3 or pictograph\$4 or pictorial\$4 or		
		continuous adj1 tone\$1 or contone\$1 or bitmap\$3 or bit adj1		
		map\$3 or pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or		
		raster\$7 or gray\$3 or grey\$3 or camera\$1 or shutter\$4 or		
		diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or		
	<u> </u>	photograph\$4 or lens\$3 or aperture\$1 or white adj1		
	]	balanc\$4))		

31	1103	(((((ADoor AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or	USPAT;	2004/05/22 14:09
01	1103	digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or	US-PGPUB:	2004/03/22 14.09
		quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or	EPO; JPO;	
		transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5	DERWENT;	
•	** ** ** *	or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD	IBM_TDB	
		or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	I IDIVI_I DD	
		or charge adji coupled) near (quantizas or quantisas))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4		
	1	or designat\$4)		1
		) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or		i
		photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or		
		pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1		
		tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or		
		pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or		
		gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4		
	]	or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4		
		or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or		
		view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal)		
		adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or		
		VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or		
		WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same		
		(resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or		
		fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5		
		or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or		
		qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4		
		or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4		
		or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or		
		HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or		
		reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE		
		or RMS\$1 or root adj1 mean or square\$1 adj1 error or		
		toleranc\$4)) same ((optical\$4 or photo or light\$3 or imag\$4		
		or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2		
		(ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4		
		or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or		
		phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD		
		or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or		
		photoread\$4 or photodetect\$4 or photodiode\$4 or	-	,
		phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3)		
		or phototransistor\$3)) same (imag\$3 or pixel\$4 or pel\$1 or		
		video\$1 or graph\$5 or photo\$5 or photgraphic\$4 or film\$1 or		
		scene\$1 or frame\$1 or pictur\$3 or pictograph\$4 or pictorial\$4		
		or continuous adj1 tone\$1 or contone\$1 or bitmap\$3 or bit		
		adj1 map\$3 or pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or		
		raster\$7 or gray\$3 or grey\$3 or camera\$1 or shutter\$4 or		
		diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or		
		photograph\$4 or lens\$3 or aperture\$1 or white adj1	:	
		balanc\$4)		

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		"356" or "250" or "396" or "375").clas.) and ((((((ADC or AD or	US-PGPUB:		ļ
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r "382" or "348" or "358" or "345" or "386" or 35 USPAT: 2004/05/22 14:13 or "356" or "250" or "396" or "375").clas.) and ((((((ADC or AD **US-PGPUB**: or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or EPO; JPO; digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or DERWENT: analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or IBM TDB digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5)) near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4) ) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1 tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal) adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same (resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5 or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4 or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4 or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE or RMS\$1 or root adj1 mean or square\$1 adj1 error or toleranc\$4)) same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1 tone\$1 or contone\$1 or bitmap\$3 or bit adi1 map\$3 or pixmap\$3 or pix-map\$3 or pix adi1 map\$3 or raster\$7 or gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4))) and ((ADC or AD or "A/D" or A adi1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5)) near2 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4) )) not ((("382" or "348" or "358" or "345" or "386" or "359" or "356" or "250" or "396" or "375").clas.) and (((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or 5/22/04 到域的数据的 analogs near (quantiz\$5 or quantis\$5) or Search History analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or C:\APPS\EAST\Workspaces\footnote{1.57} or digitiz\\$5 or digitis\\$5) or (sampl\\$5 or sens\\$4 or c:\APPS\EAST\Workspaces\footnote{1.57} or pickup\\$1 or pick adj1 up or CCD or charge adj1

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